

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10581678	
	Filing Date		2006-09-20	
	First Named Inventor	Zhibing Hu		
	Art Unit	1651		
	Examiner Name	Ariana, Kade		
Attorney Docket Number		UNTD-0002 (122302.00085)		

U.S. PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	5403893		1995-04-04	Tanaka, et al.	
	2	6632457		2003-10-14	Sawhney	
	3	6639014		2003-10-28	Pathak, et al.	
	4	6749868		2004-06-15	Desai, et al.	

If you wish to add additional U.S. Patent citation information please click the Add button.

Add

U.S. PATENT APPLICATION PUBLICATIONS						Remove
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button.

Add

FOREIGN PATENT DOCUMENTS								Remove
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² j	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	10581678
Filing Date	2006-09-20
First Named Inventor	Zhibing Hu
Art Unit	1651
Examiner Name	Ariana, Kade
Attorney Docket Number	UNTD-0002 (122302 00085)

1							<input type="checkbox"/>
---	--	--	--	--	--	--	--------------------------

If you wish to add additional Foreign Patent Document citation information please click the Add button [Add](#)

NON-PATENT LITERATURE DOCUMENTS

[Remove](#)

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	Ts
	1	BENEE, L. S., Snowden, M. J., Chowdhry, B. Z., Langmuir, 2002, 18, 6025.	<input type="checkbox"/>
	2	BOUILLLOT, P., Vincent, B. Colloid and Polymer Science 2000, 278, 74-79.	<input type="checkbox"/>
	3	BROMBERG, L.E., Ron, E.S., Temperature-responsive gels and thermogelling polymer matrices for protein and peptide delivery, Adv. Drug Deliv. Rev. 31 (1998) 197.	<input type="checkbox"/>
	4	CHEN, L., Gong, J., Osada, Y. Macromolecular Rapid Communications 2002, 23(3), 171-174.	<input type="checkbox"/>
	5	DURAND, D., Hourdet, Synthesis and thermoassociative properties in aqueous solution of graft copolymers containing poly(N-isopropylacrylamide) side chains, Polymer 40 (1999) 4941.	<input type="checkbox"/>
	6	GAO, J., Frisken, B. J., Langmuir, 2003, 19, 5217-5222.	<input type="checkbox"/>
	7	GAO, J., Hu, Z., Langmuir, 2002, 18 (4), 1360-1367.	<input type="checkbox"/>
	8	GUTOWSKA, Y.H., Bae, H., Jacobs, J., Feijen, Sung Wan Kim, Macromolecules, 1994, 27, 4167.	<input type="checkbox"/>

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10581678
Filing Date	2006-09-20
First Named Inventor	Zhibing Hu
Art Unit	1651
Examiner Name	Ariana, Kade
Attorney Docket Number	UNTD-0002 (122302 00085)

9	HAN, C.K., Bae, Y. H., Polymer 1998, 39, 2809-2814.	<input type="checkbox"/>
10	HAYAKAWA, M. Onda, T. Tanaka, T., and K. Tsuji, K., Langmuir 1997, 13, 3595.	<input type="checkbox"/>
11	HIROTSU, S., Hirokawa, Y., Tanaka, T. J. Chem. Phys. 1967, 87, 1392.	<input type="checkbox"/>
12	HU, X., Xia, H., Hydrogel nanoparticle dispersions with inverse thermoreversible gelation, Adv. Mat. 16 (2004) 305.	<input type="checkbox"/>
13	ILMAIN, T. Tanaka, E. Kokufuta, Volume transition in a gel driven by hydrogen bonding, Nature (London, United Kingdom) 349 (1991) 400.	<input type="checkbox"/>
14	JEONG, B., Kim, S. W., Bae, Y. H., Adv. Drug Del. Rev. 2002, 54, 37-51.	<input type="checkbox"/>
15	JONES, C. D., Lyon, L.A., Macromolecules 2000, 33, 8301-8306	<input type="checkbox"/>
16	KATONO, H., Maruyama, A., Sanui, K., Ogata, N., Okano, T., Sakurai, Y. J Control Rel 1991, 16, 215-227 273.464-472	<input type="checkbox"/>
17	LEE, K., and Asher, S. A., J. Am. Chem. Soc., 122, 9534-9537 (2000).	<input type="checkbox"/>
18	PELTON, R., Adv Colloid Interface Sci. 2000, 85, 1-33	<input type="checkbox"/>
19	Routh, A. F., Vincent, B., Langmuir, 2002, 18, 5366-5369.	<input type="checkbox"/>

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10581678
Filing Date	2006-09-20
First Named Inventor	Zhibing Hu
Art Unit	1651
Examiner Name	Ariana, Kade
Attorney Docket Number	UNTD-0002 (122302 00085)

20	SASSI, A. P., Shaw, A. J., Han, S. M., Blanch, H. W. and Prausnitz, J. M., Partitioning of proteins and small biomolecules in temperature- and pH-sensitive hydrogels, <i>Polymer</i> 37 (1996) 2151.	<input type="checkbox"/>
21	TSUJII, K., Hayakawa, M., Onda, T., Tanaka, T., <i>Macromolecules</i> 1997, 30, 7397.	<input type="checkbox"/>
22	WANG, C. J., Hu, Z. B., Chen, Y. Y., Li, Y. <i>Macromolecules</i> 1999, 32, 1822-1827	<input type="checkbox"/>
23	WEISSMAN, J.M., Sunkara, H. B., Tse, A. S., Asher, S. A., <i>Science</i> 1996, 274, 959-960.	<input type="checkbox"/>
24	WU, J.Z., Zhou, B., Hu, Z. B., <i>Phys. Rev. Lett.</i> 2003, 90, 048304.	<input type="checkbox"/>
25	WU, J.Z., Zhou, C.S. <i>Macromolecules</i> 1996, 29, 1574.	<input type="checkbox"/>
26	WU, J.Z., Huang, G., Hu, Z. B., <i>Macromolecules</i> 2003, 36, 440-448	<input type="checkbox"/>
27	XIA, X.H., Z. B. Hu, Synthesis and light scattering study of nanoparticles with interpenetrating polymer networks, <i>Langmuir</i> 20 (2004) 2094.	<input type="checkbox"/>
28	Yoshida, R., Uchida, K., Kaneko, Y., Sakai, K., Kikuchi, A., Sakurai, Y., and Okano, T., Comb-type grafted hydrogels with rapid de-swelling response to temperature changes, <i>Nature</i> 374 (1995) 240.	<input type="checkbox"/>
29	Holtz, S. A. Asher, <i>Nature</i> 1997, 389, 829-832 c) L. Liu, P. Li, and S. A. Asher, <i>Nature</i> , 397, 141-144 (1998).	<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10581678
Filing Date	2006-09-20
First Named Inventor	Zhibing Hu
Art Unit	1651
Examiner Name	Ariana, Kade
Attorney Docket Number	UNTD-0002 (122302 00085)

EXAMINER SIGNATURE

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.